

**MINUTES OF THE
MARICOPA ASSOCIATION OF GOVERNMENTS
INTELLIGENT TRANSPORTATION SYSTEMS COMMITTEE**

April 1, 2015

MAG Ironwood Room, 2nd Floor
302 North First Avenue
Phoenix, Arizona

MEMBERS ATTENDING

# Farzana Yasmin, for Reza Karimvand, ADOT	Luke Albert, City of Goodyear Nicolaas Swart, Maricopa County
* Yingyan Lou, ASU	Tricia Boyer for Avery Rhodes, City of Mesa
* Chris Hamilton, City of Avondale	* Ron Amaya, City of Peoria
* Chris Lemka, City of Buckeye	* Marshall Riegel, City of Phoenix
Mike Mah, City of Chandler	* Steve Ramsey, City of Scottsdale
Captain Burley Copeland, DPS	Albert Garcia, City of Surprise
Bryce Christo, City of El Mirage	Catherine Hollow, City of Tempe
Toni Whitfield, FHWA	Suresh Shrivavle for Amanda Luecker, Valley Metro
Leslie Bubke, Town of Gilbert	
Allan Galicia for Debbie Albert, City of Glendale	

OTHERS PRESENT

David Lucas, City of Tempe	Don Tappendorf, TEC
Jeff Jenq, OZ Engineering	Dan Hartig, Ayres
Lisa Burgess, Kimley-Horn	Arnab Gupta, PB
Suzy Chambers, Dibble	Margaret Boone, MAG
Paul Porell, RTE	Ryan Gish, MAG
Vinay Vanapalli, Stantec	Micah Henry, MAG
Jothan Samuelson, Wilson	Sarath Joshua, MAG
Don Wiltshire, YSMA	Eric Nava, MAG
Don Tappendorf, TEC	

- * Not present or represented by proxy
- # Participated by teleconference
- + Participated by videoconference

1. Call to Order
Chair Catherine Hollow called the meeting to order at 10:00 a.m.
2. Approval of the February 4, 2015 ITS Meeting Minutes
Chair Hollow requested approval of the meeting minutes from the February 4th ITS Committee meeting. **Nicolaas Swart from Maricopa County DOT moved, Luke Albert from City of Goodyear seconded and it was unanimously carried to approve the minutes of the meeting held on February 4, 2015.**
3. Call to Audience
Chair Hollow made a call to the audience providing an opportunity for any members of

the public to address the ITS Committee. No comments were received.

4. Program Manager's Report

Chair Hollow invited Sarath Joshua from MAG to present the Program Manager's Report. Mr. Joshua addressed the following items in his report:

➤ Current Status of TSOP Projects:

For Fiscal Year 2014, of a total of 11 TSOP projects at a contracted cost of \$338,000, nine have been completed and two projects are on-going. The two ICM projects on I-10 in Phoenix are in the final stages and scheduled to be completed by June 2015. This will conclude the efforts on all 2014 projects. The FY2015 TSOP projects include 11 projects for a total cost of \$302,227. Eight projects have been initiated. The Bell Road project is planned to begin in mid-April. The I-10 Integrated Corridor Management (ICM) project has been delayed until the current ICM projects are completed, tentatively scheduled in September 2015. The Synchro training workshop is scheduled for June 9th through June 11th from 8:30 AM to 5:00 PM at the MCDOT Training Facility.

➤ Letters of Interest for Vice Chair

Chair Hollow's term concludes at the end of June 2015. Current Vice Chair Marshall Riegel will become Chair, vacating the Vice Chair position. MAG is accepting letters of interest for the Vice Chair position. Letters should be addressed to May Michael LeVault, MAG Chair at MAG Office, 302 N. 1st Avenue, Suite 300, Phoenix, AZ 85003. The appointment will be made by the Regional Council Executive Committee for a 2-year term. Interested parties must submit letters of interest by June 1, 2015. Commitments should be confirmed by corresponding city officials.

➤ Status Report on the Regional Community Network (RCN)

Sarath Joshua requested that Ryan Gish from MAG provide an update on the latest RCN developments. The Scottsdale RCN link was down for a few days due to construction activities on Loop 101. The patch was completed the day prior, reestablishing the link to Scottsdale PD and TMC. The Glendale RCN switch processor requires replacement which is expected shortly. Last month, MAG started the on-call network services contract with City of Tempe. MAG staff will be working with City of Surprise and Town of Gilbert to provide additional services. MAG is looking to expand RCN coverage via wireless links possibly to Queen Creek, Avondale, Goodyear, and Salt River Indian Community. This effort will allow interim connectivity to the RCN until a permanent solution becomes available. The video management software pilot project includes about 80% of connected TMCs using the Luxriot software. MAG staff has received positive reviews and will continue provide support to member agencies. Allan Galicia with Glendale thanked Ryan Gish for his efforts to establish the video links, which proved to be valuable during the Super Bowl event.

5. FHWA Grant for ICM Deployment Planning for I-10 Corridor

Chair Hollow invited Sarath Joshua from MAG to present the update on the ITS Deployment Grant for the I-10 Corridor. Several weeks ago MAG staff received notice that the 2013 grant proposal was accepted for the region. The overview of the project is

included in Attachment One, including the study area defining the length of the corridor. Key regional partners include ADOT, DPS, Valley Metro, Maricopa County, Phoenix, Tempe, and Chandler. The next steps include developing the scope of work following the meeting with the FHWA ICM Team. MAG staff is meeting with the FHWA ICM Team on April 21st at 10 AM. All corridor agencies have been invited to this meeting. The intent is to develop initial ICM on I-10 with a vision to expand it to the rest of the freeways in the region. The FHWA-ADOT-MAG Project Agreement is being drafted. MAG FY2015 Work Program will be amended to add the \$200,000 grant for ITS on-call Task Orders. This will be presented to the Management Committee next week for recommendation, followed by Regional Council for approval. The schedule for the project is 24 months. The proposal was provided to the ITS Committee.

Sarath Joshua invited Micah Henry and Eric Nava from MAG to provide an overview of the scope. They will be co-managing the project for MAG. MAG staff has identified five primary tasks, including development of the Project Management Plan (PMP), the Systems Engineering Management Plan (SEMP), the Concept of Operations, the ICM System Requirements Specifications (ICMS), and the ICM Analysis, Modeling and Simulation (AMS) Plan.

Sarath Joshua identified the forthcoming TIP process anticipated for Fall of this year to target related projects. Stakeholders are encouraged to incorporate the ICM effort into potential projects in the I-10 corridor. This would aid the future implementation plan identified as a follow-up to this initial effort.

The focus of the project will be on non-recurring congestion, specifically incidents that close freeway operations for a period of 2 hours. Future ICM projects will advance the focus to recurring congestion. The project corridor will include a review of potential arterials parallel to I-10 up to 3 miles from the freeway. As the project is in the initial stages, potential arterial routes will be considered. The project team will be working with partnering agencies on this effort.

6. Systems Management and Operations Plan

Chair Hollow invited Sarath Joshua to present the upcoming Systems Management and Operations Plan. The need for this study to develop a Systems Management and Operations Plan was first identified by the ITS committee during approval of funds for FMS expansion. As the region as a whole has limited capacity improvements, the focus has shifted to operational improvements to increase efficient and effective use of current roadways geometrics. This approach will integrate the desire to increase funding for operations and maintenance of the transportation network. The study has been endorsed by both the Transportation Review Committee and the Management Committee. The scope of the study includes both freeways and arterials. A MAG study to develop this plan is proposed in the Draft FY2016 Work Program for \$300,000. It is anticipated that funding will be available July 1, 2015.

A draft scope of work has been prepared and MAG staff is soliciting comments from MAG member agencies. The scope includes best practices, institutional frameworks and business modems for SM&O, a tiered hierarchy of facilities for SM&O investments, reviews of current freeway and arterial infrastructure, management and operations to compare with best practices, a regional concept of SM&O with a target 2038 vision and goal, a defined path forward for the next 20 years to reach the established goal, a process

for data collections and performance measurement, and a framework for interagency oversight and an annual performance review.

The current draft includes sub-regional TMCs, a term for member agencies to collaborate and coordinate operations efforts with neighboring agencies. Regional and local investments will be provided to member agencies for deployment of projects, so input on the SM&O Plan is important particularly at this initial stage. The plan will impact and govern how regional funds are applied to transportation system improvements for the next 20 years, in particular the area of systems management and operations. Toni Whitfield with FHWA identified the agency's efforts to develop several white papers on TSM&O, which should be available in the near future. She suggested that related FHWA and ADOT activities supported by SHRP2 Implementation Assistance Program should be referenced in the MAG SM&O Plan.

7. Next Cycle of TIP Arterial ITS Projects

Chair Hollow invited Sarath Joshua with MAG to present on the upcoming cycle of TIP arterial ITS projects. He explained that arterial ITS funding will be exhausted in 2 years. The next cycle will address the final two years of RTP funds qualified arterial ITS projects in FY2018 and FY2019, with an approximate allocation of \$3,500,000 for each year for programming. Beyond FY2019, there is no funding allocated for arterial ITS. The 2012 ITS Strategic Plan currently serves as guidance for programming these funds. The Plan identifies ITS investment priority goals with arterial ITS at 50%, integrated corridor management at 25%, ITS safety improvements at 20%, and local ITS plans at 5%. The MAG Strategic Transportation Safety Plan is nearing the final stages and has established a recommendation to incorporate safety considerations in all future TIP projects. When future ITS projects are evaluated, safety will be considered along with air quality. The weighting of the scoring method will be determined in the future. The use of relevant crash data for the most recent five-years will also be a factor in project applications.

8. Reports by Committee Members

Chair Hollow called on members to report items of interest to the committee. Farzana Yasmin with ADOT stated that the FMS project on I-10 from 83rd Avenue to Litchfield Road will be advertised in June. She also mentioned that ADOT is managing a design project to replace all passive acoustic detectors on freeways in the region with loop detectors. Nicolaas Swart with MCDOT stated that the systems planning branch and project management branch are being grouped with traffic management activities. MCDOT is partnering with University of Arizona and ADOT for a proposal on the next phase for Connected Vehicle implementation program.

9. Request for Future Agenda Items

Chair Hollow called on members to request future agenda items. There were no requests.

10. Next Meeting Date and Place

Next meeting date was announced at 10:00 a.m. on Wednesday, May 6, 2015, in the Ironwood Room (2nd floor) at MAG.

11. Adjournment

Chair Catherine Hollow adjourned the meeting at 11:05 a.m.